



three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot

GENERAL ELECTRICAL INSTALLATION NOTES:

PROJECT COORDINATION NOTES:

GENERAL LEGEND

WALL TYPE LEGEND

ABBREVIATIONS

GENERAL TECHNOLOGY INSTALLATION NOTES:

CONSULTANTS:

ARCHITECT:

Drawing Title

Approved: Project Director

Project Title

Location

Date

Project Number

Building Number

Drawing Number

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

GENERAL LIGHTING INSTALLATION NOTES:

- L1. REFER TO ELECTRICAL SPECIFICATIONS FOR FLUORESCENT LAMP COLOR AND BALLAST TYPE.
- L2. CONTRACTOR SHALL COORDINATE LIGHTING FIXTURE TYPE (GRID OR FLANGE) WITH ACTUAL CEILING TYPE PRIOR TO ORDERING FIXTURES. CONTACT ENGINEER IF QUESTIONS SHOULD ARISE CONCERNING CEILING TYPES.
- L3. CONTRACTOR SHALL VERIFY ALL BALLAST QUANTITIES WITH SWITCHING SHOWN ON PLANS PRIOR TO ORDERING FIXTURES. ADJUST BALLAST QUANTITIES AS REQUIRED TO MATCH SWITCHING.
- L4. VERIFY LIGHTING CIRCUIT VOLTAGE (277V-180 OR 120V-18) PRIOR TO ORDERING LIGHTING FIXTURES OR STARTING ROUGH-IN OF BRANCH CIRCUITS. IMMEDIATELY CONTACT ENGINEER WITH ANY DISCREPANCIES. CONTRACTOR IS RESPONSIBLE FOR ORDERING THE PROPER VOLTAGE FOR LIGHTING FIXTURES, REGARDLESS OF VOLTAGE SHOWN ON LIGHTING FIXTURE SCHEDULE.
- L5. CONTRACTOR SHALL VERIFY ALL FIXTURES TO BE CONTROLLED BY DIMMER SWITCHES AS SHOWN ON PLANS PRIOR TO ORDERING FIXTURES. PROVIDE ARCHITECTURAL DIMMING BALLASTS (FLUORESCENT) OR DRIVER (LED) WITH DIMMING RANGE FROM 100% DOWN TO 10% IN ALL DIMMED FIXTURES, AND COMPATIBLE DIMMER CONTROLS WHERE DIMMING IS INDICATED ON PLANS.
- L6. PROVIDE 100 HOURS BURN-IN TIME AT FULL BRIGHTNESS FOR ALL LAMPS IN DIMMED FLUORESCENT LIGHTING FIXTURES.
- L7. PROVIDE DISCONNECTING MEANS FOR ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN PLACE. THE DISCONNECTING MEANS SHALL BE ACCESSIBLE AND SHALL SIMULTANEOUSLY BREAK ALL THE SUPPLY CONDUCTORS TO THE BALLAST (INCLUDING THE GROUNDED CONDUCTOR).
- L8. REFER TO ELECTRICAL SPECIFICATIONS FOR LED COLOR TEMPERATURE AND DRIVER TYPE.
- L9. LINEAR FLUORESCENT LAMPS SHALL HAVE A CRI OF 82 OR GREATER.
- L10. COMPACT FLUORESCENT LAMPS SHALL HAVE A CRI OF 80 OR GREATER.
- L11. LED FIXTURES SHOULD HAVE A MINIMUM OF A 5 YEAR WARRANTY.


COVE FIXTURE DETAIL

35°

5"

4 1/4" Max.

CONSULTANTS:



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ARCHITECT:

 **Perspectus**
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Project Title		
SOCIAL WORK AND HBPC OFFICE RENOVATION		
Location		
VAMC - WADE PARK		
Date	Checked	Drawn
04-27-12	MPL	TWM

Project Number 541-12-104
Building Number 1
Drawing Number 1-E3 Dwg. of

**Office of
Facilities
Management**

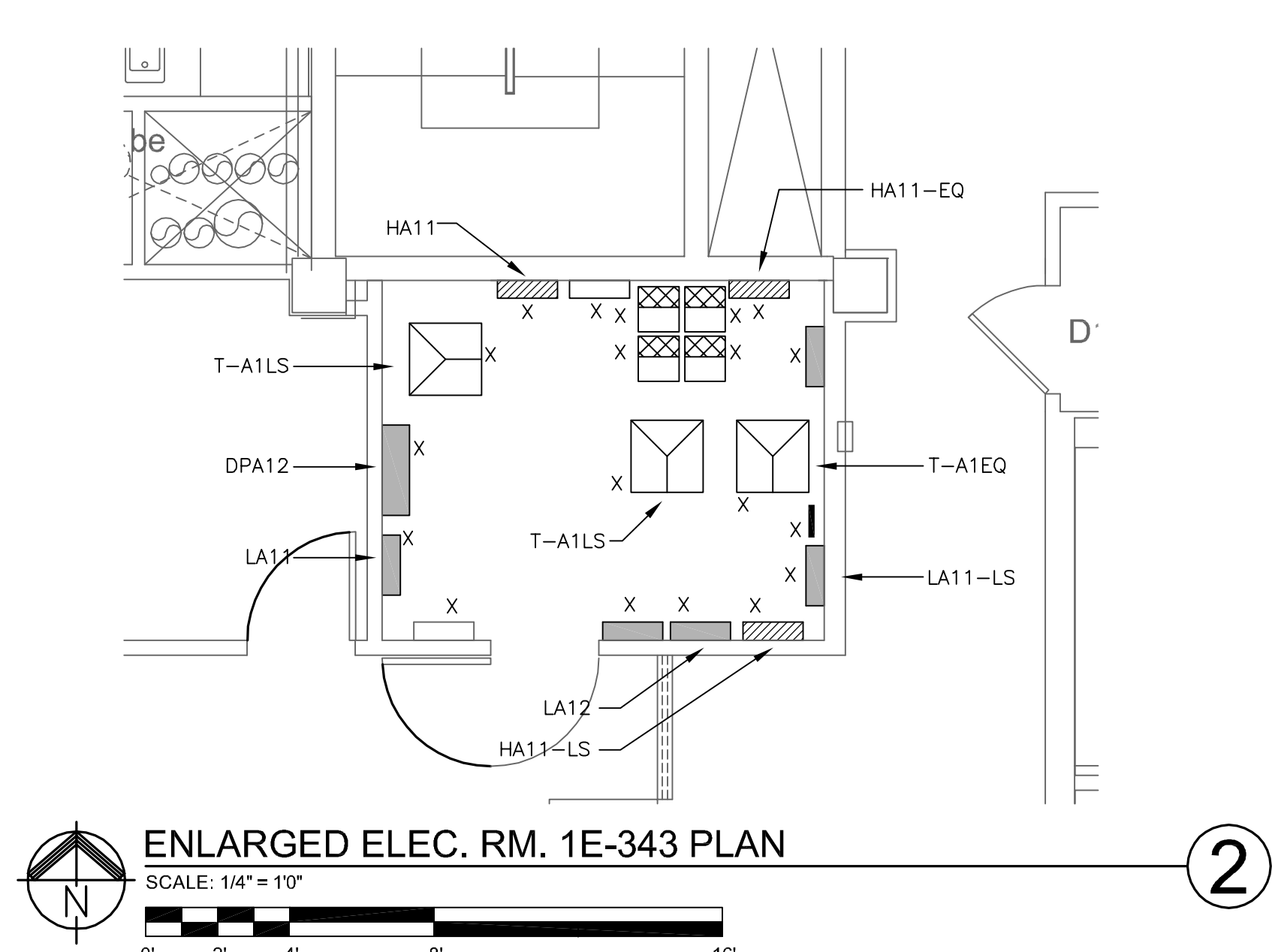
 Department of
Veterans Affairs

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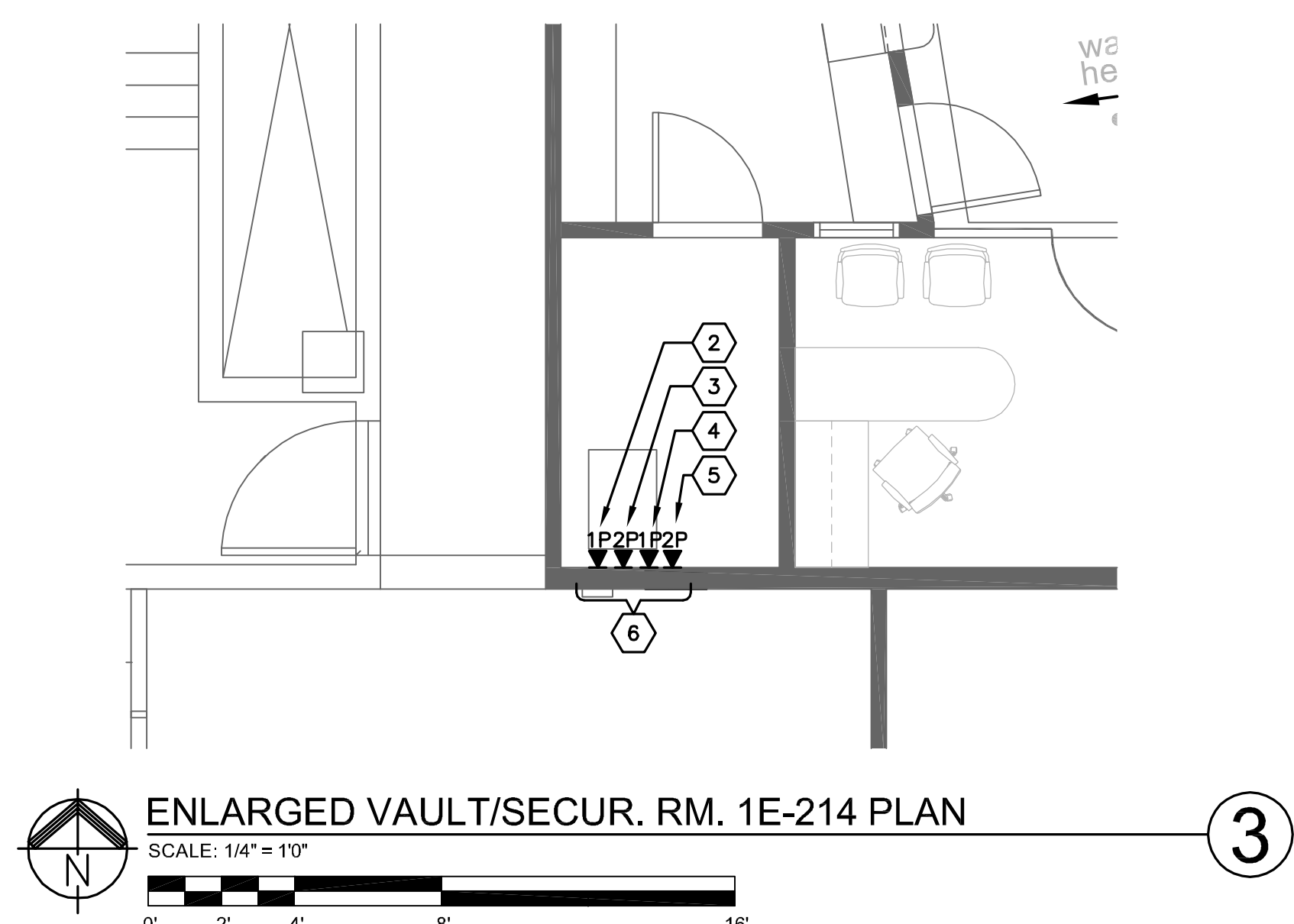


PARTIAL FIRST FLOOR ELECTRICAL
AND TECHNOLOGY KEY PLAN
SCALE: 1/8" = 1'-0"
1

- CODING NOTES:**
- 1 NEW FLUSH MOUNTED 208/120V-3P-4W PANEL LA13.
 - 2 TENANTS OUTSIDE LINE ACCESS - PROVIDE 1-PORT TELECOM OUTLET WITH (1) CAT6 CABLE TO VOICE WALL FIELD IN IRM ROOM A159. COORDINATE TERMINATION AND LABELING WITH VA-IRM.
 - 3 VA POLICE ACCESS TO TENANTS VIDEO CAMERA DVR - PROVIDE 2-PORT TELECOM OUTLET WITH (2) CAT6 CABLES TO VIDEO CAMERA PATCH PANEL IN IRM ROOM A159. COORDINATE TERMINATION AND LABELING WITH VA-IRM.
 - 4 TENANTS DURESS SYSTEM TO VA DURESS SYSTEM CONNECTION - PROVIDE 1-PORT TELECOM OUTLET WITH (1) CAT6 CABLE TO LENSEL SECURITY SYSTEM IN IRM ROOM A159. COORDINATE TERMINATION AND LABELING WITH VA-IRM.
 - 5 PROVIDE 2-PORT TELECOM OUTLET WITH (2) CAT6 CABLES TO CANTEN KITCHEN ATM. PROVIDE 2-PORT TELECOM OUTLET AT ATM LOCATION. COORDINATE EXACT LOCATION WITH VA-CDTR. COORDINATE TERMINATION AND LABELING WITH VA-IRM.
 - 6 PROVIDE 10FT OF SERVICE SLACK ABOVE CEILING.
 - 7 PROVIDE NEW LENSEL SECURITY PANEL. PROVIDE DEDICATED HARDWIRED CONNECTION FROM PANEL LA12-EQ CCT 6. SEE DRAWING 1-E11 FOR ADDITIONAL WORK REQUIREMENTS.



ENLARGED ELEC. RM. 1E-343 PLAN
SCALE: 1/4" = 1'-0"
2

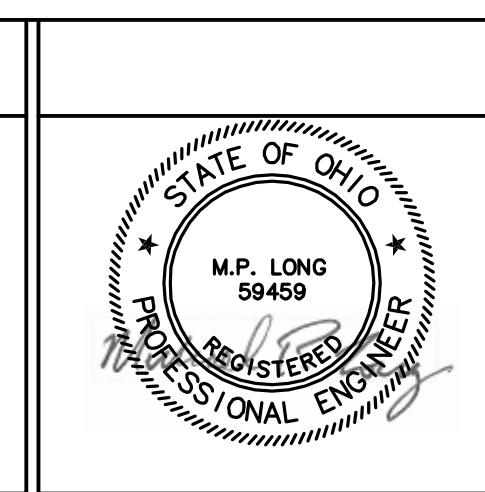


ENLARGED VAULT/SECUR. RM. 1E-214 PLAN
SCALE: 1/4" = 1'-0"
3

Final Bid Set Documents	4-27-12
Revisions:	Date

CONSULTANTS:

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ARCHITECT:

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Drawing Title
PARTIAL FIRST FLOOR ELECTRICAL KEY PLAN

Approved: Project Director

Project Title
SOCIAL WORK AND HBPC OFFICE RENOVATION

Location
VAMC - WADE PARK

Date
04-27-12

Checked
MPL

Drawn
TWM

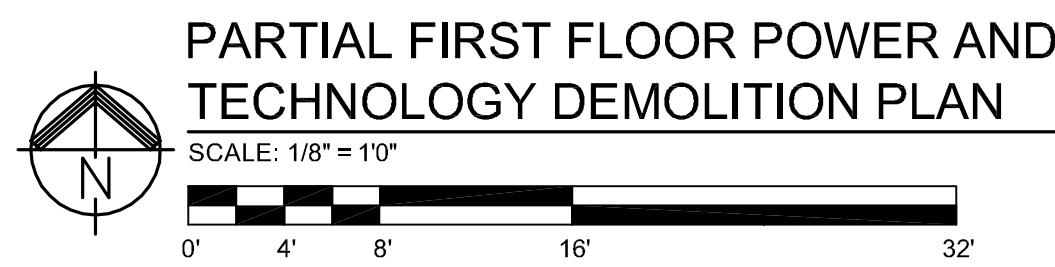
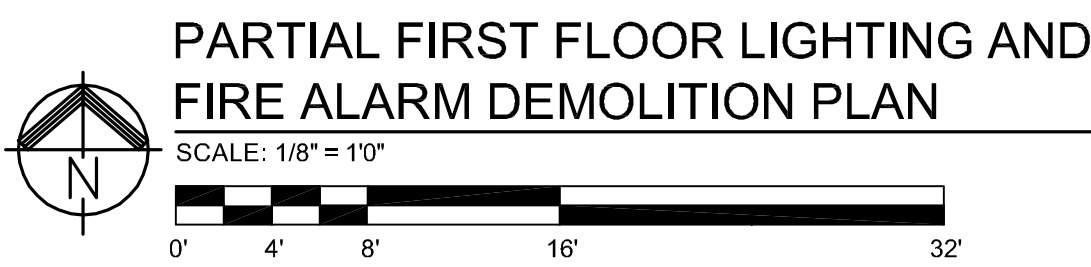
Drawing Number
1-E4

Dwg. of

FULLY SPRINKLERED

Office of Facilities Management

Department of Veterans Affairs



- | CODED NOTES: | |
|--------------|---|
| (A) | EXISTING 1.5" - 4#3 & 1#8EG ROUTED THROUGH 12"x12"x6" SPLICE BOX FROM BASEMENT TO SECOND FLOOR. SEE "FEEDER RECONNECTION GENERAL NOTES;" FOR ADDITIONAL WORK REQUIREMENTS. SEE POWER PLAN FOR NEW LOCATION. |
| (B) | REMOVE PANEL RA13 COMPLETE (PANELBOARD, FEEDERS, ETC.) REFER TO DRAWING 1-EB FOR ADDITIONAL WORK REQUIREMENTS. |

- ## FEEDER RECONNECTION GENERAL NOTES:
1. TRACE EXISTING FEEDER WITH AN ADVANCED WIRE TRACER THAT WORKS WITH ENERGIZED OR DE-ENERGIZED CIRCUITS AND IS CAPABLE OF INJECTING TRACE SIGNAL WITH CLAMP-ON ATTACHMENT FOR NON-CONTACT OPERATION.
 2. A WRITTEN 'FEEDER IDENTIFICATION' REPORT SHALL BE SUBMITTED TO THE C.O.T.R./ENGINEER FOR REVIEW. THE REPORT SHALL INDICATE; SOURCE EQUIPMENT NAME, CIRCUIT NUMBER, CIRCUIT RATING, LOAD DESCRIPTION, LOAD LOCATION, DATE OF TRACE AND INITIAL OF PERSON COMPLETING TRACE.
 3. PERFORM ALL CUT-OVER WORK OF FEEDERS DURING VAMC 'OFF-HOURS'. THIS WORK SHALL BE SCHEDULED TO BE COMPLETED BY THE C.O.T.R. AT LEAST 14 DAYS IN ADVANCE. ALL PREMIUM COST (LABOR, EQUIPMENT RENTALS, ETC) ASSOCIATED WITH PERFORMING THIS WORK DURING SECOND SHIFTS, THIRD SHIFTS OR WEEKENDS SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE.
 4. THE RECONNECTION OF EACH FEEDERS MUST BE COMPLETED IN A SINGLE 8 HOUR SHIFT.

[illegible]

- LIGHTING PLAN GENERAL NOTES:**
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR FINAL LOCATION OF ALL NEW CEILING MOUNTED LIGHTING FIXTURES. CLOSELY COORDINATE LOCATION OF LIGHTING FIXTURES AND SMOKE DETECTORS WITH HVAC DUCTS, DIFFUSERS, SPRINKLERS, PLUMBING, ETC. AND ADJUST LOCATIONS OF SELECTED ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ENGINEER'S INSTRUCTIONS.
 2. REFER TO THE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT. CLOSELY COORDINATE THE EXACT LOCATION OF ALL OUTLETS AND DEVICES WITH ARCHITECTURAL ELEVATIONS. ADJUST LOCATIONS AND MOUNTING HEIGHTS WHERE NECESSARY TO PREVENT INTERFERENCE WITH FURNITURE, FIXED CASEWORK, EQUIPMENT, ETC. VERIFY ALL CHANGES PRIOR TO ROUGH-IN.
 3. REFER TO ELECTRICAL DETAILS PLANS FOR OCCUPANCY SENSOR WIRING DIAGRAMS AND PROGRAM SCHEDULE FOR ADDITIONAL INFORMATION.
 4. MOUNT WALL SWITCHES AT LEAST 6" AWAY FROM OPEN DOOR SWING - DO NOT MOUNT BEHIND OPEN DOOR SWINGS.
 5. CONNECT ALL LIFE SAFETY LIGHTING TO SPARE CIRCUIT IN PANEL HA11-LS.

- POWER PLAN GENERAL NOTES:**
- P1. REFER TO THE ARCHITECTURAL PLANS FOR EQUIPMENT LAYOUT. CLOSELY COORDINATE THE EXACT LOCATION OF ALL OUTLETS AND DEVICES WITH ARCHITECTURAL ELEVATIONS. ADJUST LOCATIONS AND MOUNTING HEIGHTS WHERE NECESSARY TO PREVENT INTERFERENCE WITH FURNITURE, FIXED CASEWORK, EQUIPMENT, ETC. VERIFY ALL CHANGES PRIOR TO ROUGH-IN.
 - P2. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS, MOUNTING HEIGHTS, AND CONNECTION REQUIREMENTS (RECEPTACLES, SWITCHES, DISCONNECTS) WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
 - P3. SHARED NEUTRALS ARE NOT PERMITTED FOR BRANCH CIRCUITS EXCEPT WHERE FEEDING PRE-WIRED FURNITURE WITH MULTI-WIRE CIRCUITS.

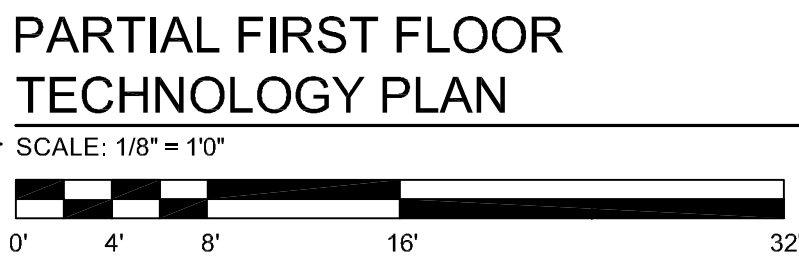
- GENERAL FIRE ALARM SYSTEM NOTES**
- F1. ALL FIRE ALARM SYSTEM DEVICES SHALL BE CONNECTED COMPLETE TO THE MAIN FIRE ALARM SYSTEM CONTROL PANEL IN ACCORDANCE WITH ENGINEER APPROVED MANUFACTURER'S SHOP DRAWING WIRING DIAGRAMS AND DETAILS.
 - F2. ALL FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED IN 3/4" MINIMUM SIZE CONDUIT SYSTEM.
 - F3. IN GENERAL ALL MANUAL PULL STATIONS SHALL BE INSTALLED AT 48" ABOVE FINISHED FLOOR. MANUAL PULL STATIONS SHALL BE INSTALLED WITHIN 5'-0" OF ALL EXIT DOORWAY OPENINGS AT EACH EXIT ON EACH FLOOR. ADDITIONAL MANUAL PULL STATIONS SHALL BE PROVIDED SO THAT THE TRAVEL DISTANCE TO THE NEAREST PULL STATION WILL NOT EXCEED 200' MEASURED HORIZONTALLY ON THE SAME FLOOR.
 - F4. ALL AUDIO/VISUAL AND VISUAL ONLY FIRE ALARM SYSTEM DEVICES SHALL BE ADA TYPE. IN ALL CASES VISUAL DEVICES SHALL BE WALL MOUNTED AT 80" ABOVE FINISHED FLOOR. VISUAL DEVICES SHALL BE LOCATED NOT MORE THAN 15' FROM THE END OF ALL CORRIDORS WITH A SEPARATION NOT GREATER THAN 100' BETWEEN DEVICES. AUDIO DEVICES SHALL BE INSTALLED THROUGHOUT THE BUILDING TO ATTAIN MINIMUM DECIBEL LEVELS REQUIRED BY CODE. COMBINATION AUDIO/VISUAL DEVICES AND ADDITIONAL VISUAL ONLY DEVICES SHALL BE INSTALLED AT LOCATIONS AS INDICATED ON FLOOR PLANS.
 - F5. IN GENERAL SMOKE DETECTORS SHALL BE INSTALLED ON CEILINGS WITH SPACING NOT TO EXCEED MANUFACTURER'S RECOMMENDATION.
 - F6. SPRINKLER SYSTEM WATERFLOW ALARM INITIATING DEVICES SHALL BE CONNECTED COMPLETE TO THE FIRE ALARM SYSTEM.
 - F7. DUCT TYPE SMOKE DETECTORS SHALL BE PROVIDED FOR ALL HVAC RETURN AIR SYSTEMS WITH DESIGN CAPACITY GREATER THAN 2,000 CFM. WHERE RETURN AIR RISERS SERVE TWO OR MORE STORIES, AND ARE PART OF A RETURN AIR SYSTEM HAVING A DESIGN CAPACITY GREATER THAN 15,000 CFM, DUCT DETECTORS SHALL BE PROVIDED AT EACH STORY. COORDINATE EXACT DETECTOR LOCATIONS AND PROVISION OF ADEQUATE DUCT LENGTHS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
 - F8. PROVIDE ALL FIRE ALARM SYSTEM COMPONENTS NECESSARY FOR SHUT DOWN OF HVAC EQUIPMENT BY THE FIRE ALARM SYSTEM WHERE SAME IS REQUIRED.
 - F9. PROVIDE ALL FIRE ALARM SYSTEM COMPONENTS NECESSARY FOR ELEVATOR CAPTURE BY THE FIRE ALARM SYSTEM WHERE SAME IS REQUIRED.
 - F10. SMOKE DETECTORS SHALL BE INSTALLED WITHIN 5'-0" OF CENTERLINE OF SMOKE DOORS ON HOLD-OPEN.
 - F11. SMOKE DETECTORS SHALL NOT BE LOCATED CLOSER THAN 3'-0" FROM AN AIR SUPPLY DIFFUSER.
 - F12. AUTOMATIC DOORS LOCATED ON A 2-HOUR FIRE RATED WALL SHALL HAVE A FIRE ALARM INTERFACE THAT INTERRUPTS 120V POWER FOR THE AUTOMATIC DOOR OPENER UNDER A FIRE ALARM CONDITION. PROVIDE (1) CONTROL MODULE FROM EACH BUILDING FIRE ALARM SYSTEM IF LOCATED ALONG THE BORDER OF TWO BUILDINGS.

- LIGHTING CODED NOTES:**
1. CONNECT LOW-VOLTAGE TRANSFORMER TO POWER RECEPTACLE CIRCUIT LA13-24.

- POWER CODED NOTES:**
- FLAT PANEL MONITOR - PROVIDE 20A-120V DUPLEX RECEPTACLE AT 84" AFF. COORDINATE EXACT LOCATION WITH COTR PRIOR TO ROUGH-IN.
 - CASH MACHINE - PROVIDE 20A-120V BRANCH CIRCUIT CONNECTION. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE RECEPTACLE OR HARD-WIRED DISCONNECT AND EQUIPMENT CONNECTION - VERIFY PRIOR TO INSTALLATION.
 - UNDERCOUNTER REFRIGERATOR - PROVIDE 20A-120V DUPLEX RECEPTACLE AT 18" AFF. COORDINATE EXACT LOCATION WITH COTR PRIOR TO ROUGH-IN.
 - SERVER RACK - PROVIDE (1) DEDICATED 20A-120V EMERGENCY RECEPTACLE AND (1) DEDICATED 20A-120V NORMAL RECEPTACLE FOR CONNECTION OF RACK MOUNTED UPS. RACK AND UPS WILL BE PROVIDED BY CREDIT UNION TENANT.
 - RELOCATE EXISTING 1.5" C - 4#3 & 1#8 EG TO INSIDE WALL. COMPLETE WORK DURING WEEKEND SHIFT. COORDINATE SHUTDOWN WITH VA COTR. PROVIDE WALL ACCESS BOX AT PULL BOX LOCATION.
 - COORDINATE ROUGH-IN AND DEVICES MOUNTING REQUIREMENTS WITH TELLER COUNTER MANUFACTURER. PROVIDE CONCEALED CONDUIT FEEDS TO COUNTER FROM ADJACENT WALL.

FULLY SPRINKLERED

CONSULTANTS:  FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HTS., OHIO 44147 TEL. (440) 546-0606 FAX (440) 546-0606		 M.P. LONG REGISTERED PROFESSIONAL ENGINEER		ARCHITECT:  Perspectus architecture 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F. 216.752.3833 <small>DESIGN AND CONSTRUCTION DOCUMENTS ARE INSTRUMENTS OF SERVICE AND GIVEN IN CONFIDENCE AND REMAIN THE PROPERTY OF PERSPECTUS ARCHITECTURE. THE USE OF THIS DESIGN AND THESE CONSTRUCTION DOCUMENTS FOR PURPOSES OTHER THAN THE SPECIFIC PROJECT NAMED HEREIN IS STRICTLY PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF PERSPECTUS ARCHITECTURE.</small>		Drawing Title PARTIAL FIRST FLOOR ELECTRICAL PLANS Approved: Project Director		Project Title SOCIAL WORK AND HBPC OFFICE RENOVATION Location VAMC - WADE PARK Date 04-27-12 Checked MPL Drawn TWM		Project Number 541-12-104 Building Number 1 Drawing Number 1-E6 Dwg. of		Office of Facilities Management 	
Final Bid Set Documents Revisions:		4-27-12 Date											



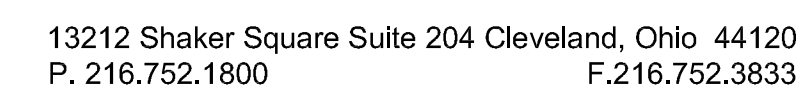
G1. FIELD VERIFY MOUNTING LOCATIONS FOR CAMERAS WITH VA COTR PRIOR TO ROUGH-IN.

G2. CONTRACTOR SHALL MAKE FINAL ADJUSTMENTS TO AIMING AND ORIENTATION AFTER OWNER'S INSPECTION.

1. VERIFY EXACT CAMERA LOCATION WITH VAMC COTR AND SECURITY PRIOR TO ROUGH-IN.
2. VERIFY EXACT MOUNTING LOCATION OF PANIC ALARMS WITH VAMC COTR AND SECURITY PRIOR TO ROUGH-IN. REFER TO PANIC ALARM SYSTEM CONNECTION DIAGRAM FOR ELECTRICAL REQUIREMENTS. COORDINATE EXACT WIRE ROUTING WITH FURNITURE VENDOR TO PROVIDE A NEAT AND COMPLETE SYSTEM.
3. TELECOMMUNICATIONS RACK PROVIDED BY OTHERS. PROVIDE 20'-0" SERVICE SLACK PIGTAILED ABOVE CEILING FOR TERMINATIONS BY OTHERS.
4. ROUTE ALL HBPC AREA CAMERA AND TELECOMMUNICATIONS OUTLET CABLING BACK TO TELECOMMUNICATIONS RACK IN VAULT/SECURITY ROOM 214.
5. FLAT PANEL MONITOR - PROVIDE TELECOMMUNICATIONS RECEPTACLE AT 84" AFF. COORDINATE EXACT LOCATION WITH COTR PRIOR TO ROUGH-IN.
6. COORDINATE ROUGH-IN AND DEVICES MOUNTING REQUIREMENTS WITH TELLER COUNTER MANUFACTURER. PROVIDE CONCEALED CONDUIT FEEDS TO COUNTER FROM ADJACENT WALL.

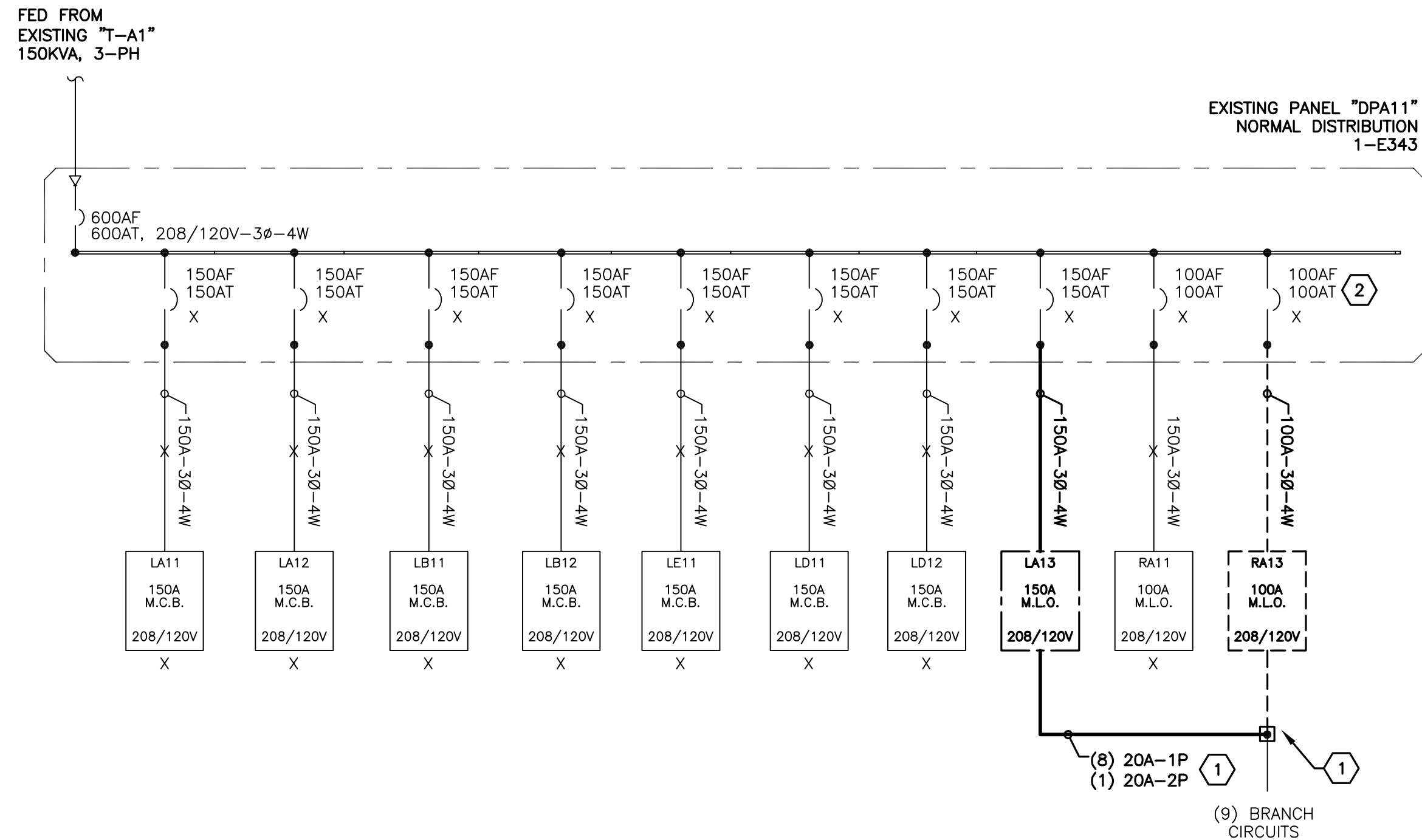
 Department of
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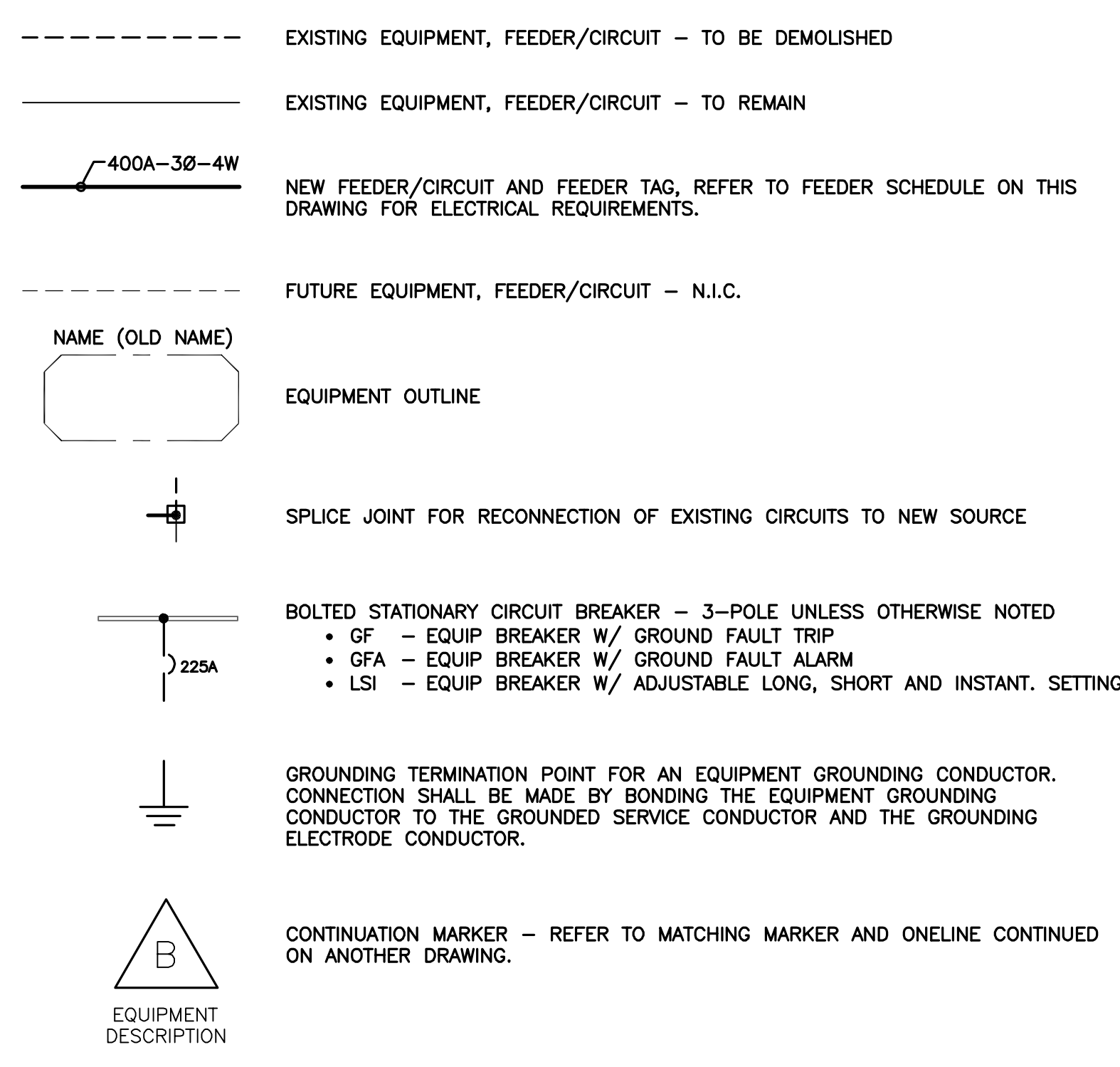
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1-E7



PANEL:	LA13 - 208/120V - 3Ø - 4W				NORMAL			
LOCATION:	CORR. 1-E231				OCP: 150A			
MOUNTING:	FLUSH				MAIN: MLO			
COMMENTS:	NEW PANELBOARD							
KVA	DESCRIPTION	CB	CCT	N	CCT	CB	DESCRIPTION	KVA
1.00	TELECOM RACK	201	1	1	2	201	COPY RM 1-E230	0.60
0.80	TELLER DESK	3	3	4	4	201	COPY RM 1-E230	0.40
0.80	TELLER DESK	203	5	6	6	201	COPY RM 1-E230 COPIER	1.00
0.80	TELLER DESK	7	7	8	8	201	OFFICE 1-E232,234,235	1.20
0.80	TELLER DESK	201	9	10	10	201	OFFICE 1-E232,234,235	1.40
1.20	1-E213,215	201	11	12	12	201	OFFICE 1-E232,234,235	1.20
1.20	1-E213,215	201	13	14	14	201	OFFICE 1-E231,233	1.00
1.00	1-E210	201	15	16	16	201	OFFICE 1-E231,233	1.00
1.40	OFFICE 1-E211,212	201	17	18	18	201	OFFICE 1-E237,238,239	1.20
0.90	OFFICE 1-E211,213	201	19	20	20	201	OFFICE 1-E237,238,239	1.20
0.60	ATM	201	21	22	22	201	OFFICE 1-E237,238,239	1.00
0.40	CAMERAS	201	23	24	24	201	HALLWAYS	1.20
0.00	RELOCATED CIRCUIT	201	25	26	26	201	OFFICE 1-E221,222	1.20
0.00	RELOCATED CIRCUIT	201	27	28	28	201	OFFICE 1-E221,222	1.20
0.00	RELOCATED CIRCUIT	201	29	30	30	201	CUBICLES	0.80
0.00	RELOCATED CIRCUIT	201	31	32	32	201	CUBICLES	0.80
0.00	RELOCATED CIRCUIT	201	33	34	34	201	CUBICLES	0.80
0.00	RELOCATED CIRCUIT	201	35	36	36	201	CUBICLES	0.80
0.00	RELOCATED CIRCUIT	201	37	38	38	201	RELOCATED CIRCUIT	0.00
0.00	RELOCATED CIRCUIT	201	39	40	40	201	RELOCATED CIRCUIT	0.00
0.00	SPARE	201	41	42	42	201	SPARE	0.00
				GROUND BUS				
				TOTAL CONNECTED KVA: 28.90				
				TOTAL DEMAND KVA: 19.45				
				TOTAL DEMAND AMPS: 53.99				

LEGEND: POWER DISTRIBUTION ONE-LINE



CODED NOTES:

- (1) RELOCATED (9) EXISTING TO REMAIN ACTIVE BRANCH CIRCUITS. SEE "BRANCH CIRCUIT RECONNECTION GENERAL NOTES." FOR ADDITIONAL WORK REQUIREMENTS.
- (2) LABEL BREAKER AS SPARE.

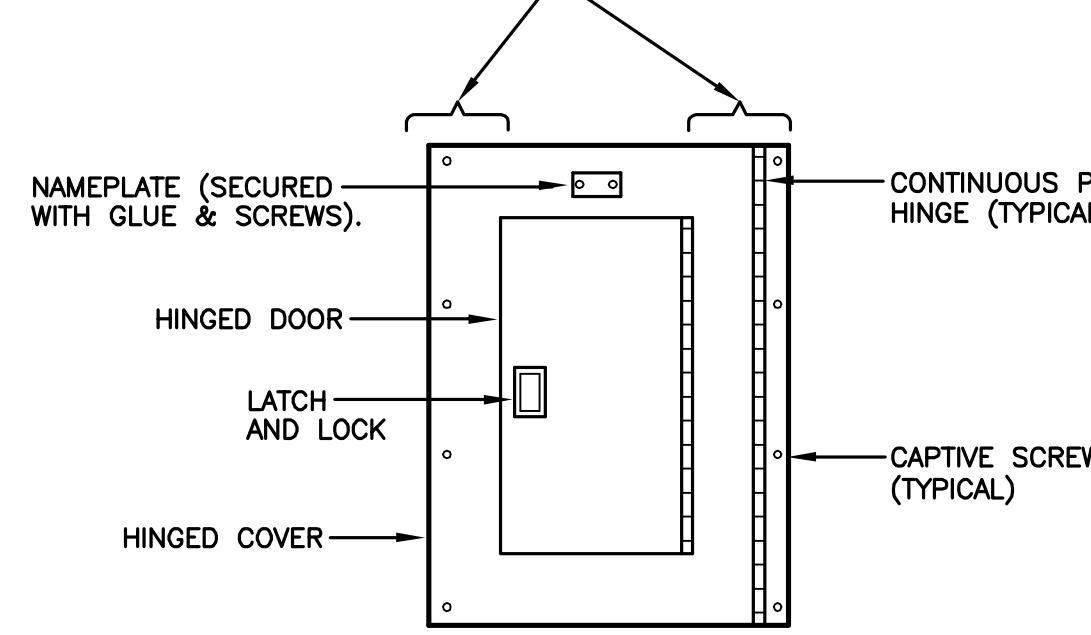
BRANCH CIRCUIT RECONNECTION GENERAL NOTES:

- TRACE EXISTING CIRCUITS WITH AN ADVANCED WIRE TRACER THAT WORKS WITH ENERGIZED OR DE-ENERGIZED CIRCUITS AND IS CAPABLE OF INJECTING TRACE SIGNAL WITH CLAMP-ON ATTACHMENT FOR NON-CONTACT OPERATION. IN GENERAL, CIRCUITS MUST BE TRACED WHILE ENERGIZED.
- A WRITTEN "LOAD IDENTIFICATION" REPORT OF ALL EXISTING CIRCUITS FED FROM THIS PANEL SHALL BE SUBMITTED TO THE C.O.T.R./ENGINEER FOR REVIEW. THE REPORT SHALL INDICATE: SOURCE EQUIPMENT NAME, CIRCUIT NUMBER, CIRCUIT RATING, LOAD DESCRIPTION, LOAD LOCATION, DATE OF TRACE AND INITIAL OF PERSON COMPLETING TRACE.
- PERFORM ALL CUT-OVER WORK OF RECONNECTED BRANCH CIRCUITS DURING VAMC "OFF-HOURS". THIS WORK SHALL BE SCHEDULED WITH THE C.O.T.R. AT LEAST 14 DAYS IN ADVANCE. ALL PREMIUM COST (LABOR, EQUIPMENT RENTALS, ETC) ASSOCIATED WITH PERFORMING THIS WORK DURING SECOND SHIFTS, THIRD SHIFTS OR WEEKENDS SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE.
- THE RECONNECTION OF EACH BRANCH CIRCUIT MUST BE COMPLETED IN 1 HOUR PER CIRCUIT. ONLY ONE CIRCUIT SHALL BE CUT-OVER AT ONCE.
- QUANTITY OF BREAKERS ARE AN APPROXIMATION. CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITY OF BREAKERS PRIOR TO DEMOLITION OF EXISTING PANELBOARD(S). REPORT ANY DISCREPANCIES TO ENGINEER.
- CONTRACTOR SHALL RECONNECT ALL EXISTING (REMAINING) ACTIVE CIRCUITS TO NEW ELECTRICAL DISTRIBUTION. REFER TO "POWER DISTRIBUTION ONE-LINE DIAGRAM" FOR ADDITIONAL INFORMATION.

FEEDER SCHEDULE

ONE-LINE TAG	CONDUIT AND WIRE SIZE
20A-1P	0.75" - 2 #12 AND 1 #12EG
20A-2P	0.75" - 2 #12 AND 1 #12EG
150A-3Ø-4W	1.5" - 4 #1/0 AND 1 #6EG

SIDE GUTTERS SHALL BE SUFFICIENT IN SIZE TO PERMIT WORKING ACCESS TO BREAKERS WITHOUT THE NEED TO REMOVE THE TRIM ASSEMBLY.



PANELBOARD FRONT DETAIL
NOT TO SCALE

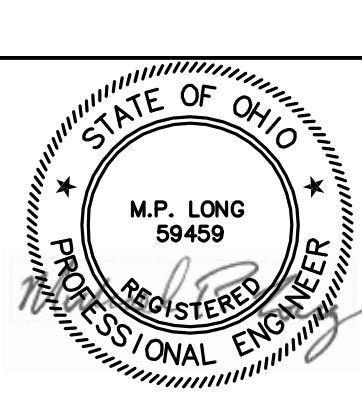
PANELBOARD CONSTRUCTION NOTES:

- (A) ALL NEW PANELBOARDS SHALL BE PROVIDED WITH SUB-FEED LUGS AND SUFFICIENT SIZE WIRING GUTTERS TO ACCOMMODATE ALL FEEDERS (INCLUDING FUTURE) IN A CODE COMPLYING MANNER. FEED THROUGH LUGS ARE NOT ACCEPTABLE.
- (B) ALL NAMEPLATES SHALL BE ENGRAVED PHENOLIC WITH WHITE LETTERS AND BLACK (RED FOR EMERGENCY) BACKGROUND. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- (C) REFER TO SPECIFICATIONS FOR PANELBOARD CONSTRUCTION REQUIREMENTS REGARDING BUS, DIRECTORIES, FINISHES, ETC.
- (D) ONE MONTH AFTER OCCUPANCY BY THE OWNER, THE ELECTRICAL CONTRACTOR SHALL MEASURE AND RECORD THE FEEDER PHASE CURRENTS FOR ALL NEW AND EXISTING PANELBOARDS ASSOCIATED WITH THIS PROJECT, AND SHALL SUBMIT DATA TO ENGINEER.
- (E) PROVIDE UPDATED TYPED SCHEDULES IN EXISTING PANELS, AND NEW SCHEDULES IN NEW PANELS. SCHEDULE DESCRIPTIONS SHALL INCLUDE TYPE OF LOAD (RECEPTACLES, LIGHTING, EWC, ETC.) AND ROOM NUMBER WHERE LOAD IS LOCATED.
- (F) PROVIDE NEW PANEL FRONTS FOR SELECTED EXISTING PANELS AS INDICATED ON PLANS.
- (G) CIRCUIT ASSIGNMENTS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY AVAILABILITY PRIOR TO ROUGH-IN AND ORDERING ENGRAVED COVERPLATES. REPORT ANY DEVIATIONS TO ENGINEER FOR APPROVAL.

CONSULTANTS:



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13212 Shaker Square Suite 204 Cleveland, Ohio 44120
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DESIGN AND CONSTRUCTION DOCUMENTS ARE INSTRUMENTS OF SERVICE AND GIVEN IN CONFIDENCE AND REMAIN THE PROPERTY OF PERSPECTUS ARCHITECTURE. THE USE OF THIS DESIGN AND THESE CONSTRUCTION DOCUMENTS FOR PURPOSES OTHER THAN THE SPECIFIC PROJECT NAMED HEREIN IS STRICTLY PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF PERSPECTUS ARCHITECTURE.

Drawing Title
ELECTRICAL DISTRIBUTION ONE-LINE AND SCHEDULES

Approved: Project Director

Project Title
SOCIAL WORK AND HBPC OFFICE RENOVATION

Location
VAMC - WADE PARK

Date
04-27-12

Checked
MPL

Drawn
TWM

Project Number
541-12-104

Building Number
1

Drawing Number
1-E8

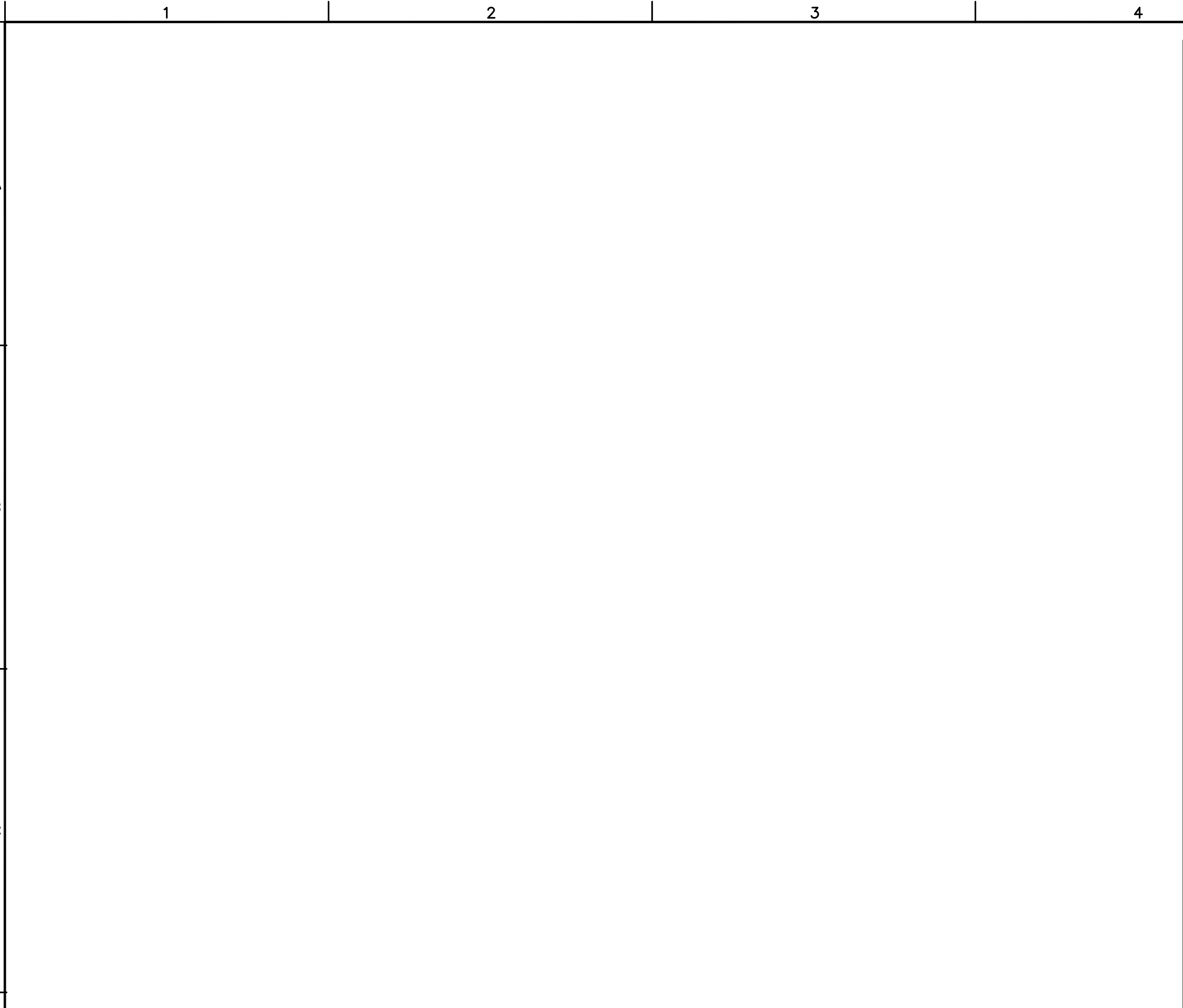
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Office of
Facilities
Management

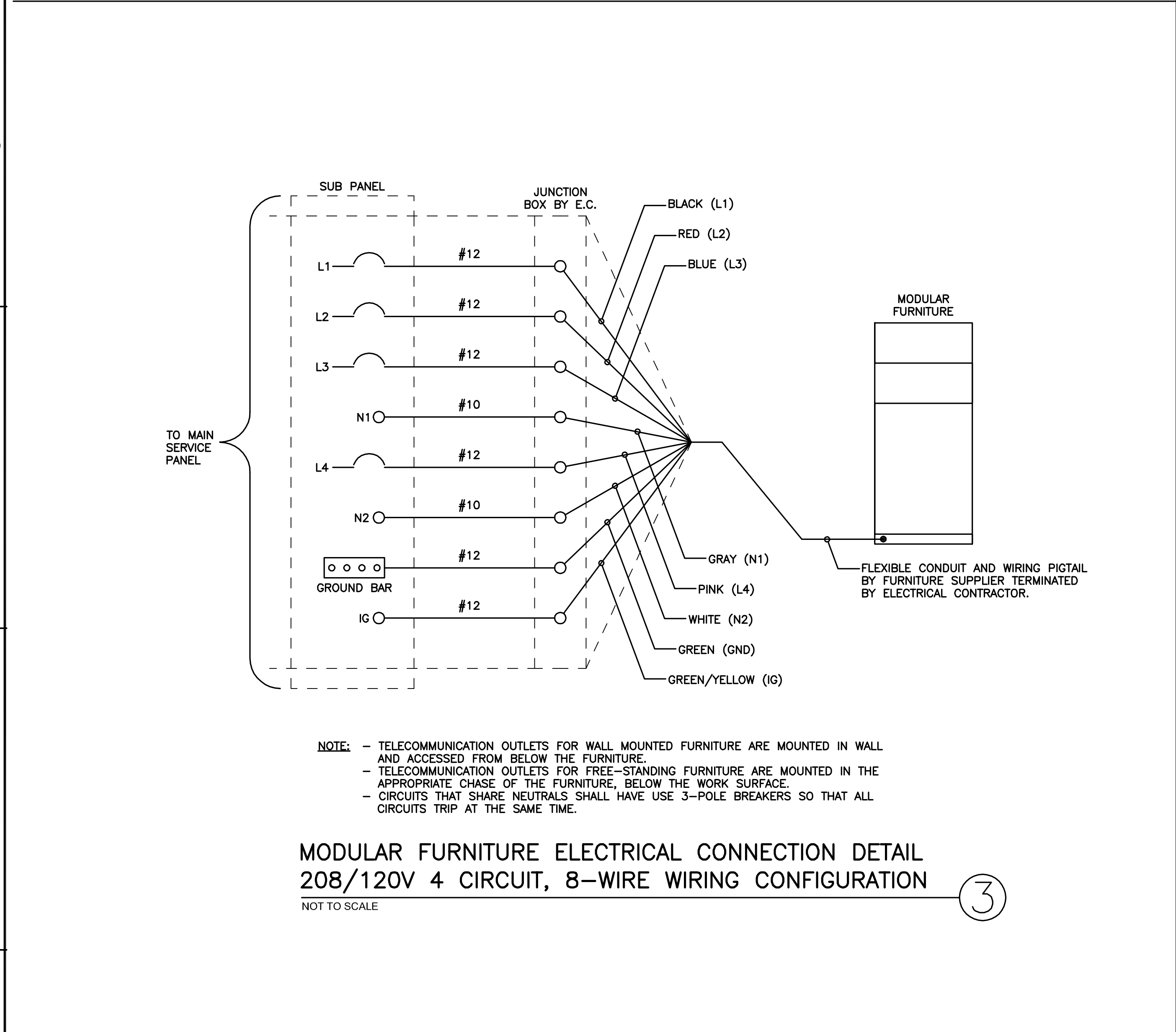


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



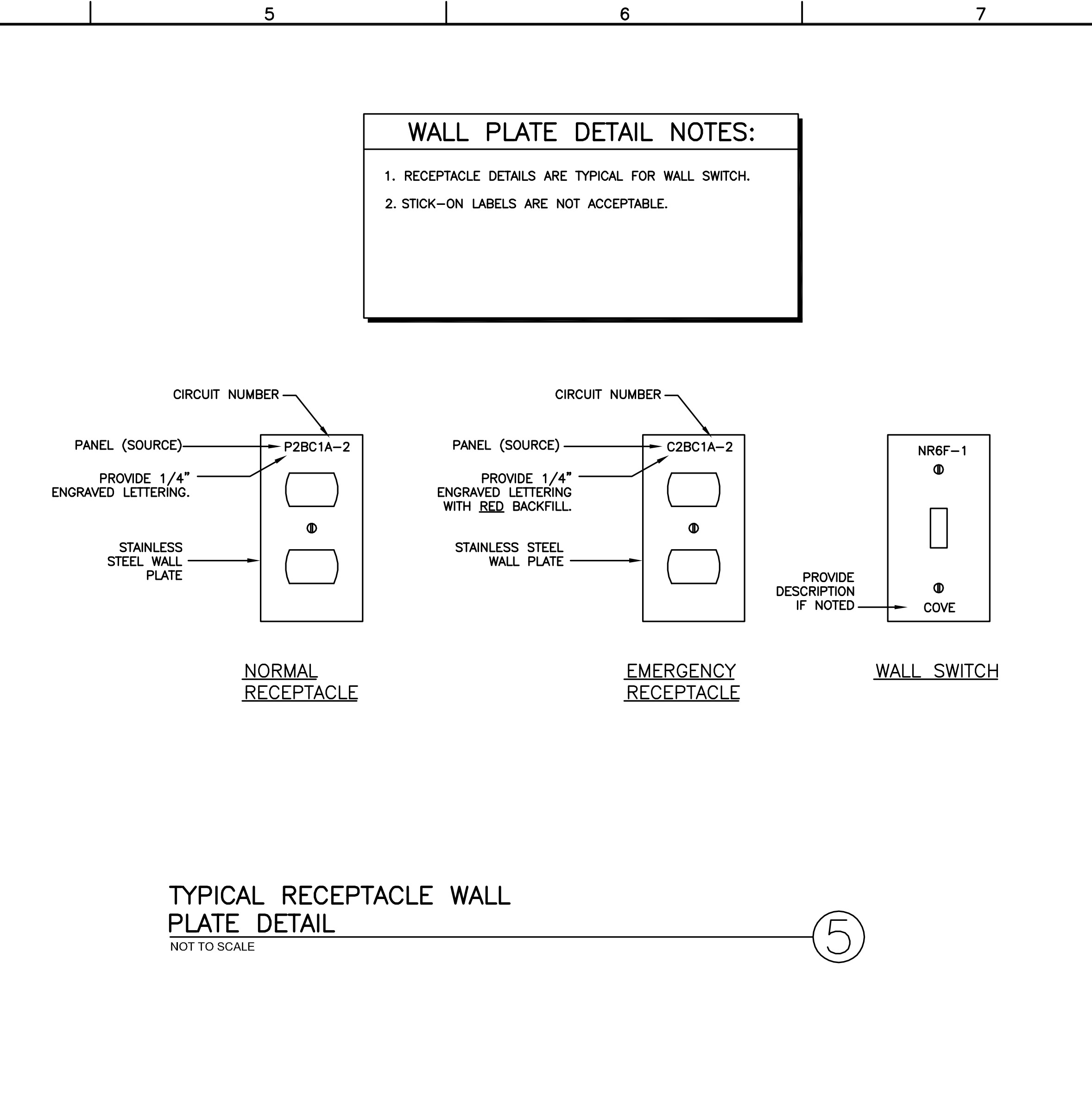
TYPICAL RECEPTACLE WALL
PLATE DETAIL
NOT TO SCALE

5



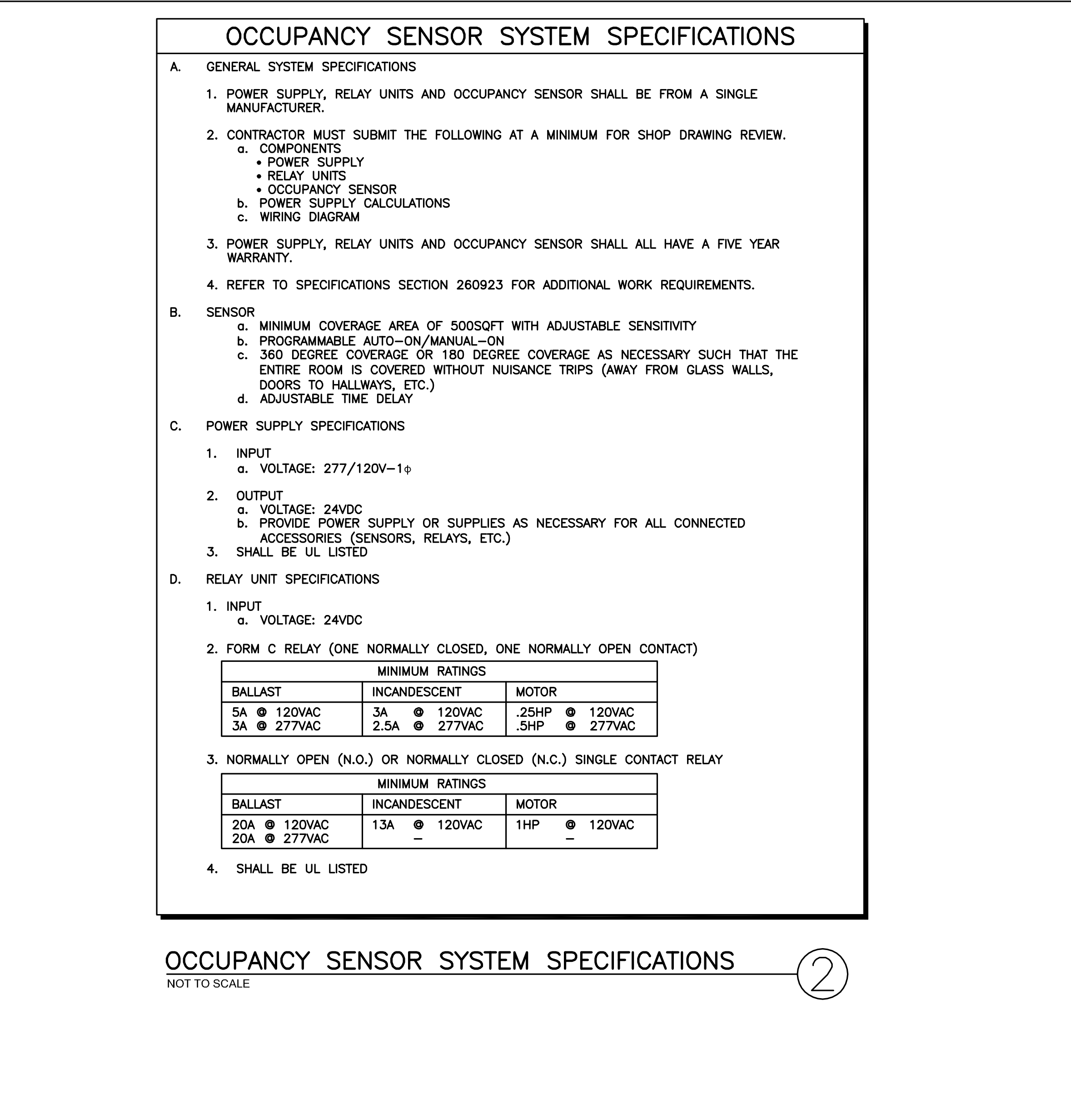
MODULAR FURNITURE ELECTRICAL CONNECTION DETAIL
208/120V 4 CIRCUIT, 8-WIRE WIRING CONFIGURATION
NOT TO SCALE

3



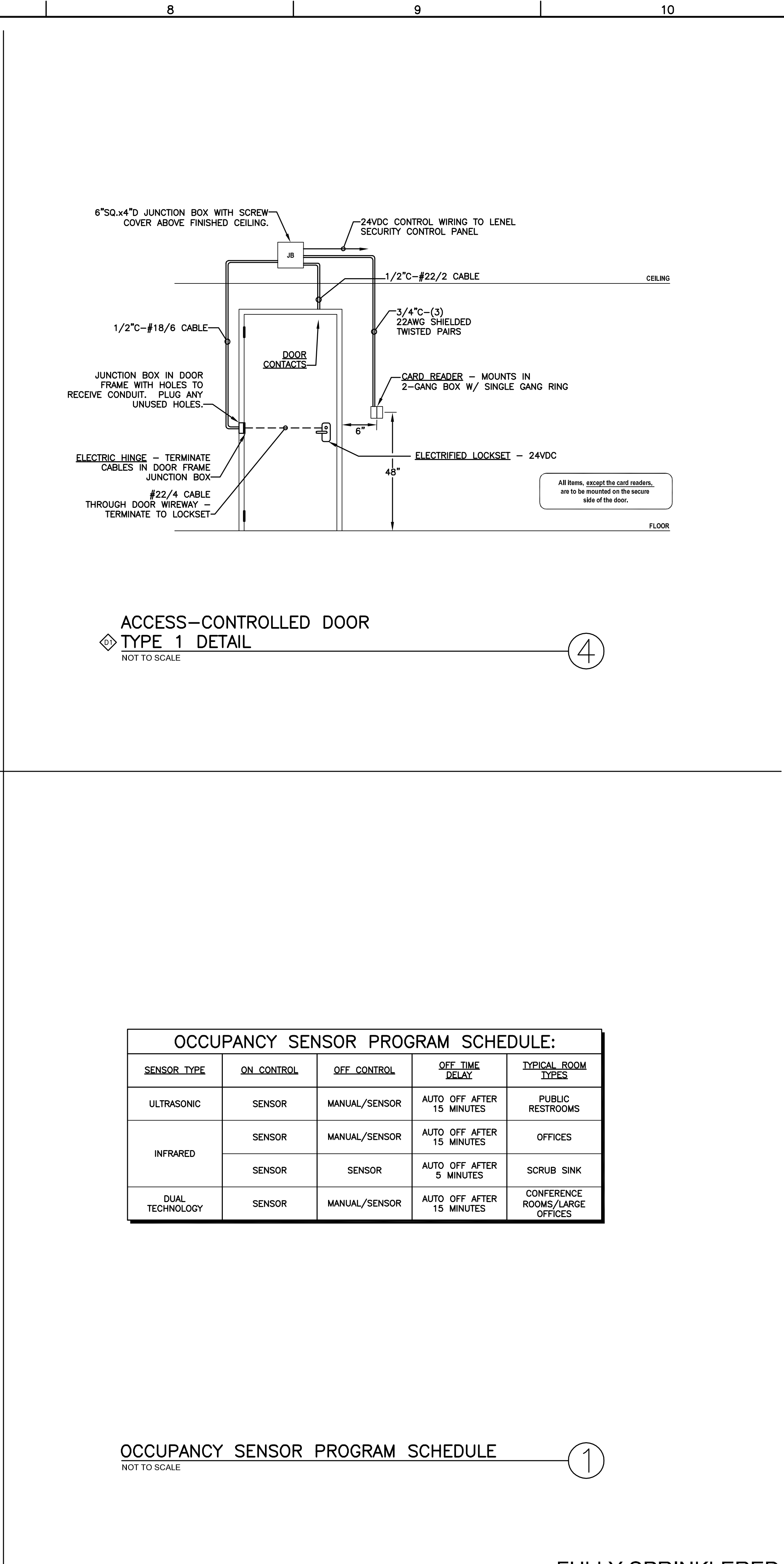
ACCESS-CONTROLLED DOOR
TYPE 1 DETAIL
NOT TO SCALE

4



OCCUPANCY SENSOR SYSTEM SPECIFICATIONS
NOT TO SCALE

2



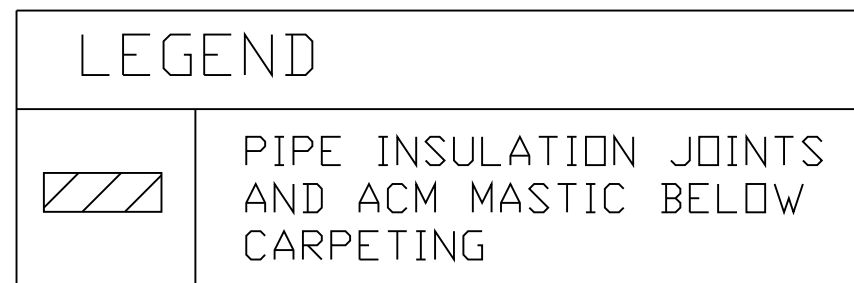
OCCUPANCY SENSOR PROGRAM SCHEDULE
NOT TO SCALE

1

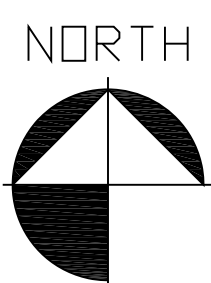
CONSULTANTS: FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HTS., OHIO 44147 TEL: (440) 546-0606 FAX: (440) 546-0606		ARCHITECT: Perspectus architecture 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F. 216.752.3833		Office of Facilities Management Department of Veterans Affairs	
Final Bid Set Documents Revisions:		ARCHITECT: Perspectus architecture 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F. 216.752.3833		Office of Facilities Management Department of Veterans Affairs	
4-27-12 Date		13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F. 216.752.3833		13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F. 216.752.3833	





- (1) INSTALL CRITICAL BARRIERS AND WARNING SIGNS (SEE DETAIL SHEET 1-AA2)
- (2) INSTALL 6 MIL POLYETHYLENE DROP CLOTH BELOW PIPE INSULATION JOINTS TO AT LEAST 6 FEET HORIZONTAL DISTANCE FROM EACH ACM JOINT TO BE REMOVED
- (3) INSTALL NEGATIVE AIR MACHINE FOR LOCAL EXHAUST VENTILATION ADJACENT TO WORK AREA AND EXHAUST TO OUTSIDE
- (4) REMOVE AND DISPOSE OF APPROXIMATELY 50 EACH ASBESTOS-CONTAINING PIPE INSULATION JOINTS IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 028213.13 OF SPECIFICATIONS
- (5) REMOVE AND DISPOSE OF APPROXIMATELY 2,800 SQ FT OF ASBESTOS- CONTAINING FLOOR MASTIC IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 028213.19 OF SPECIFICATIONS

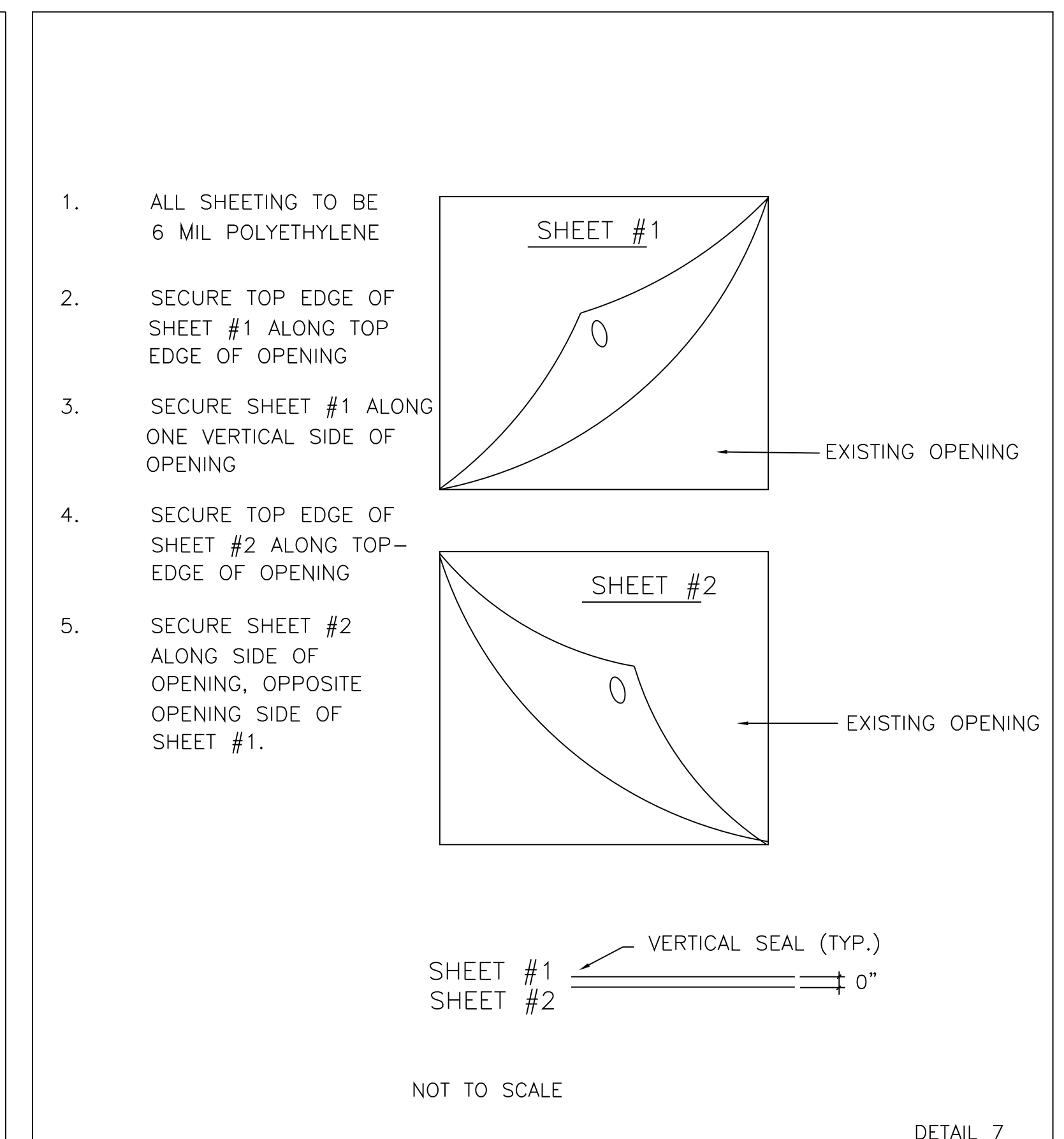
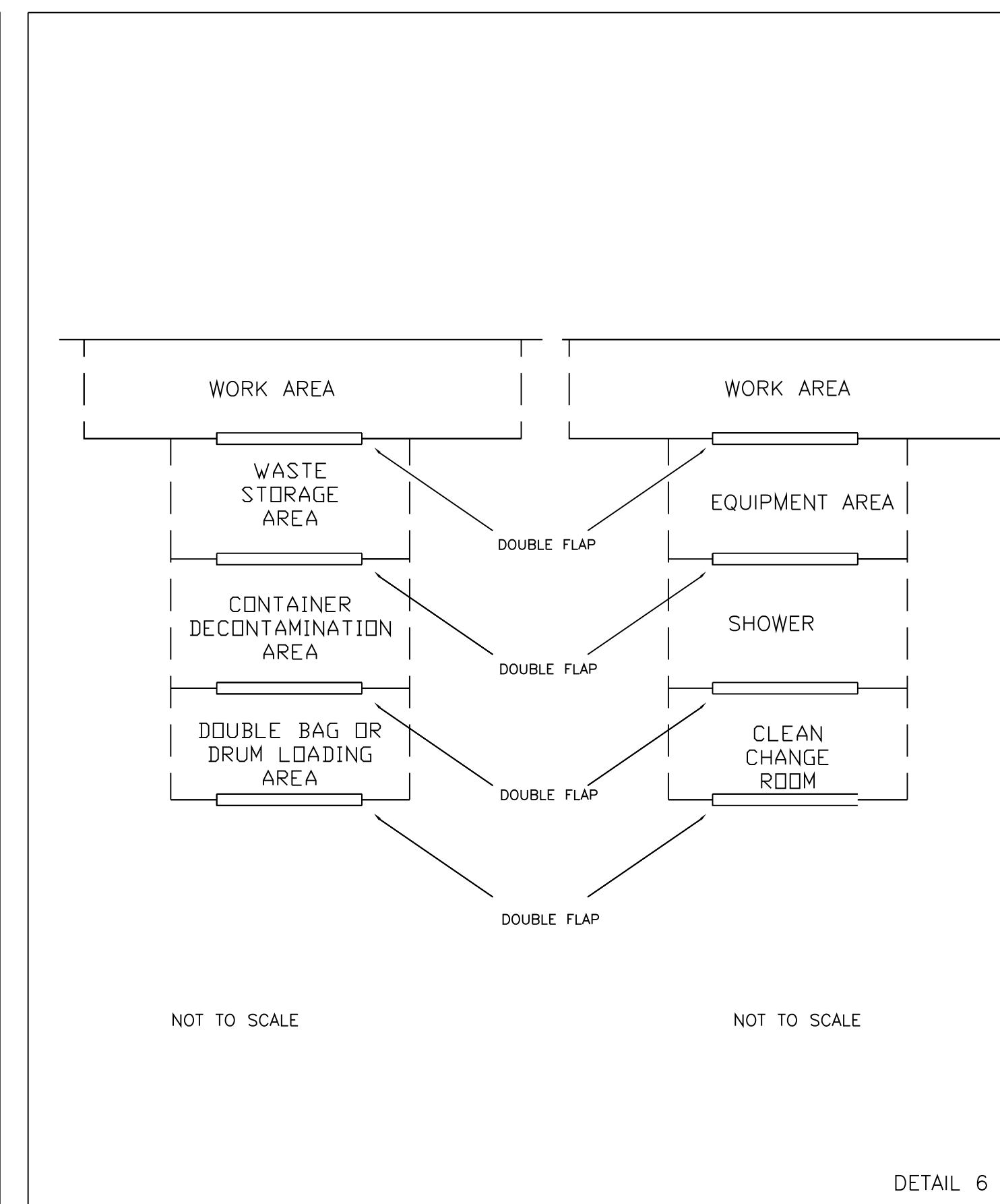
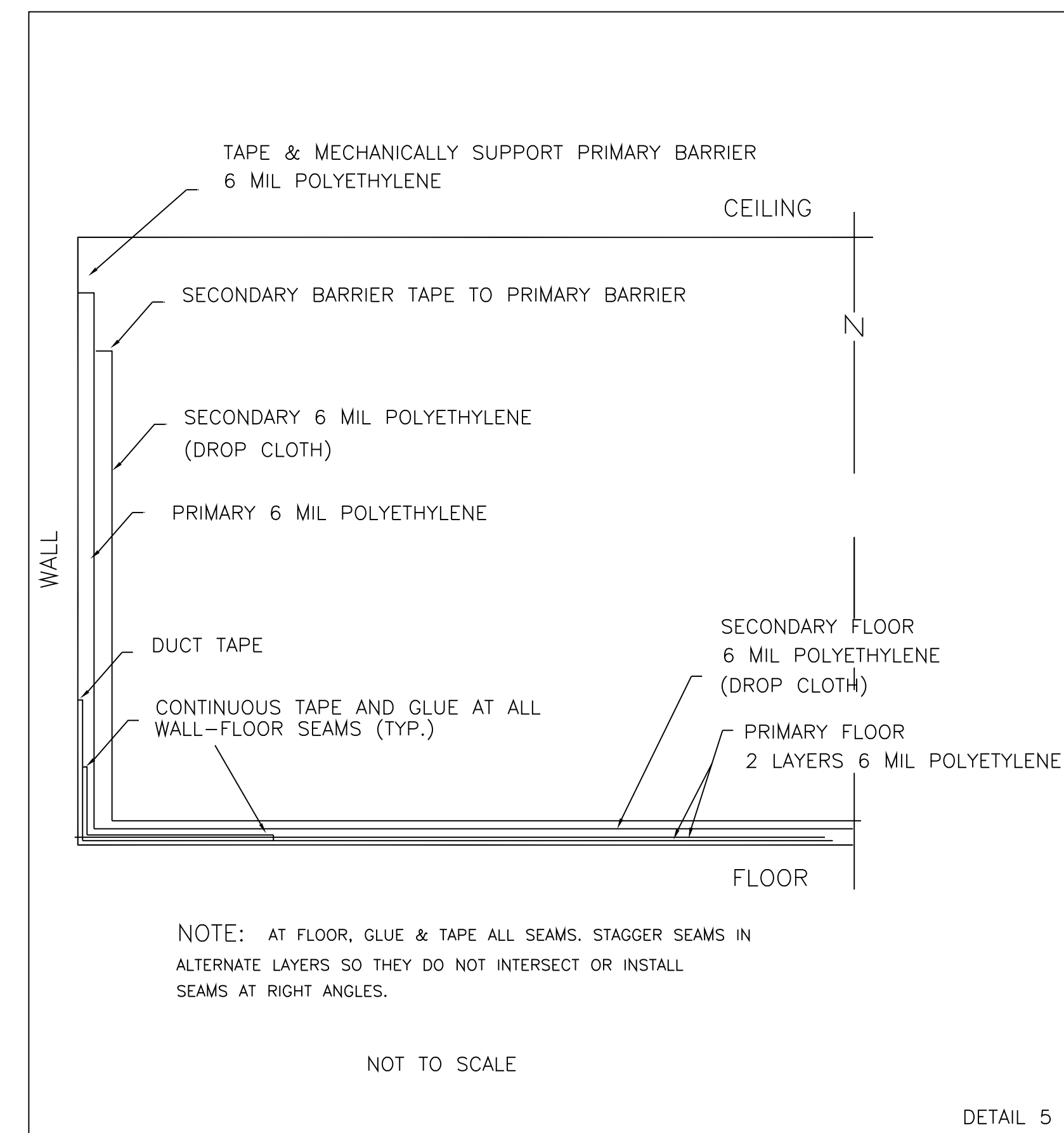
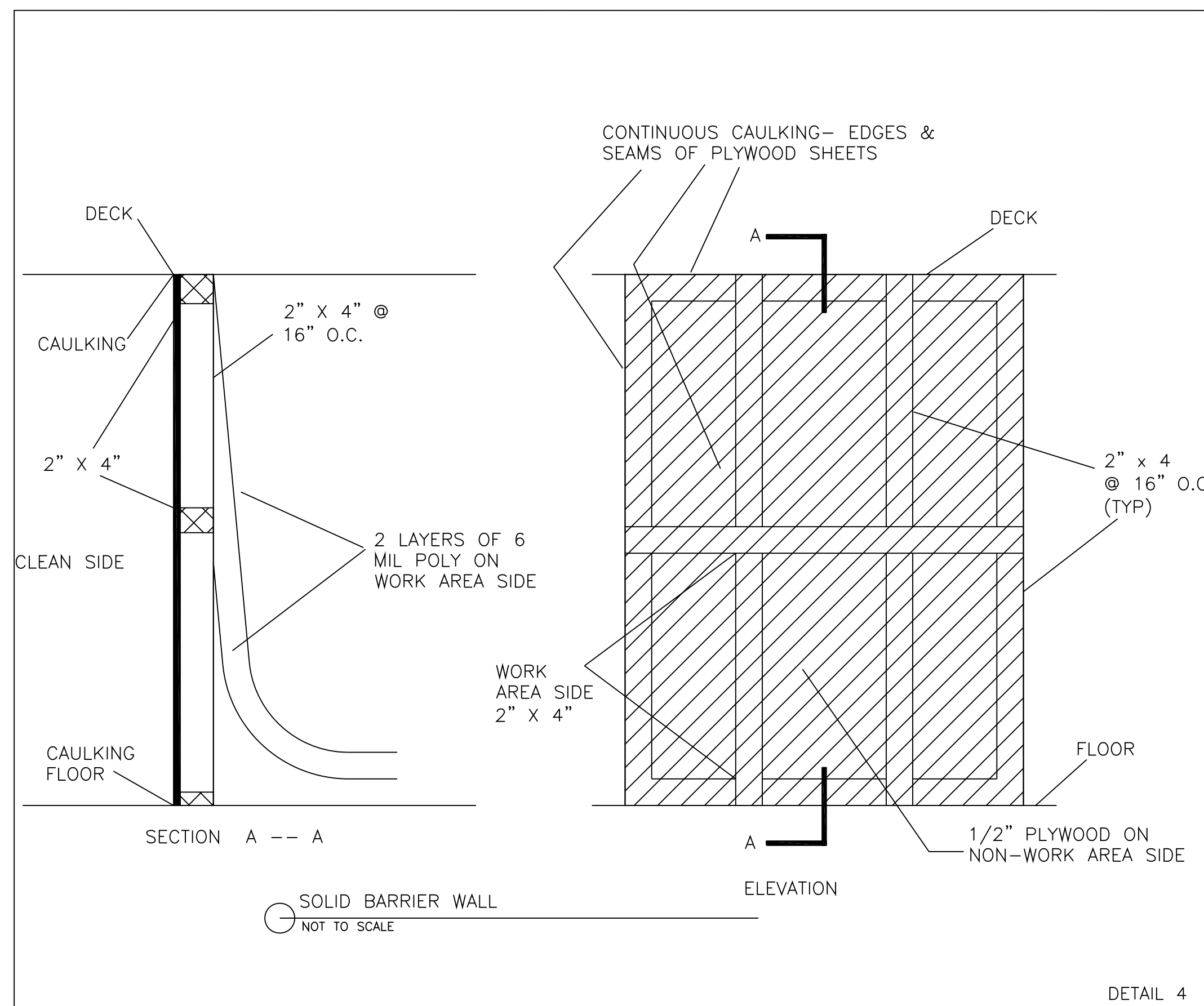
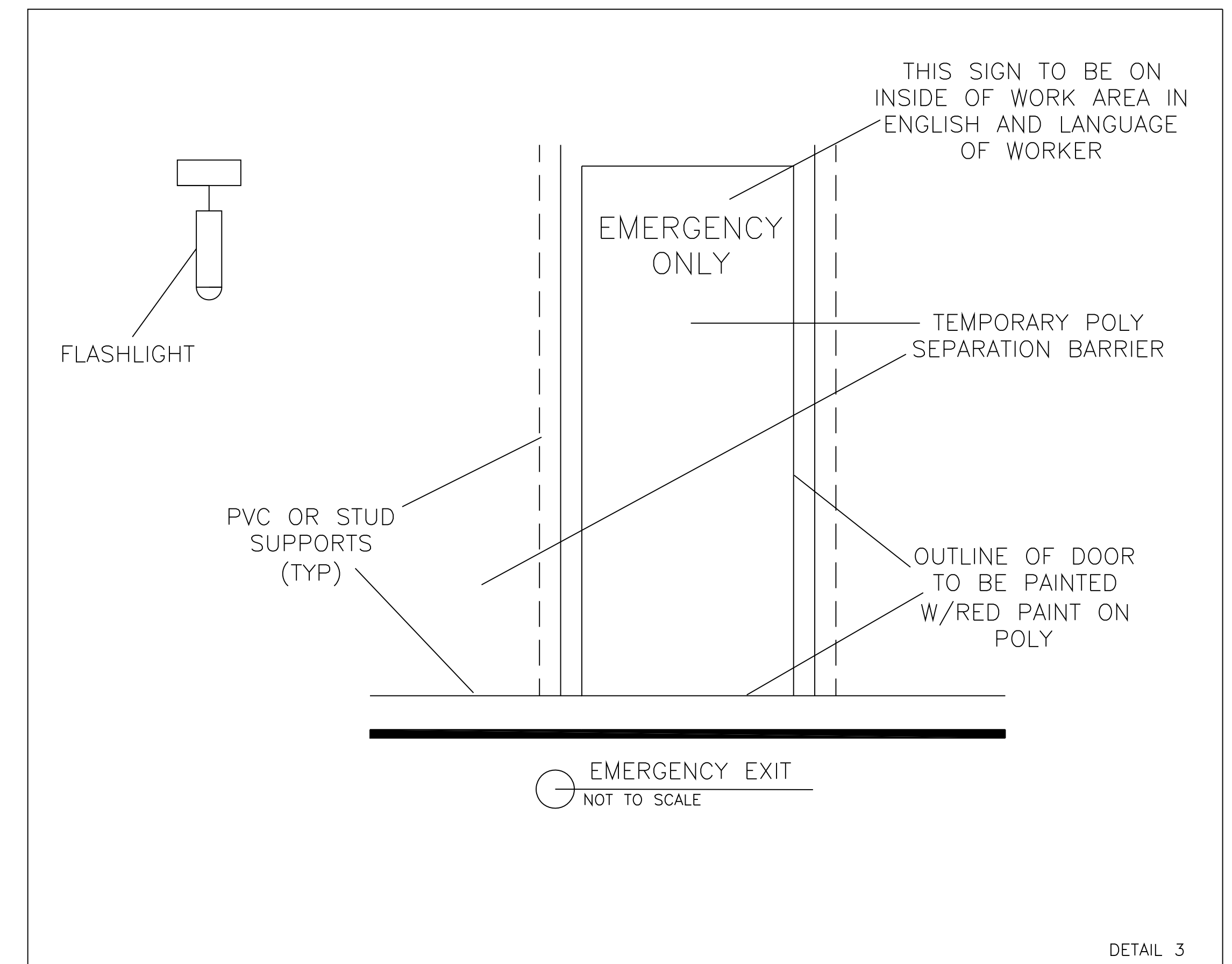
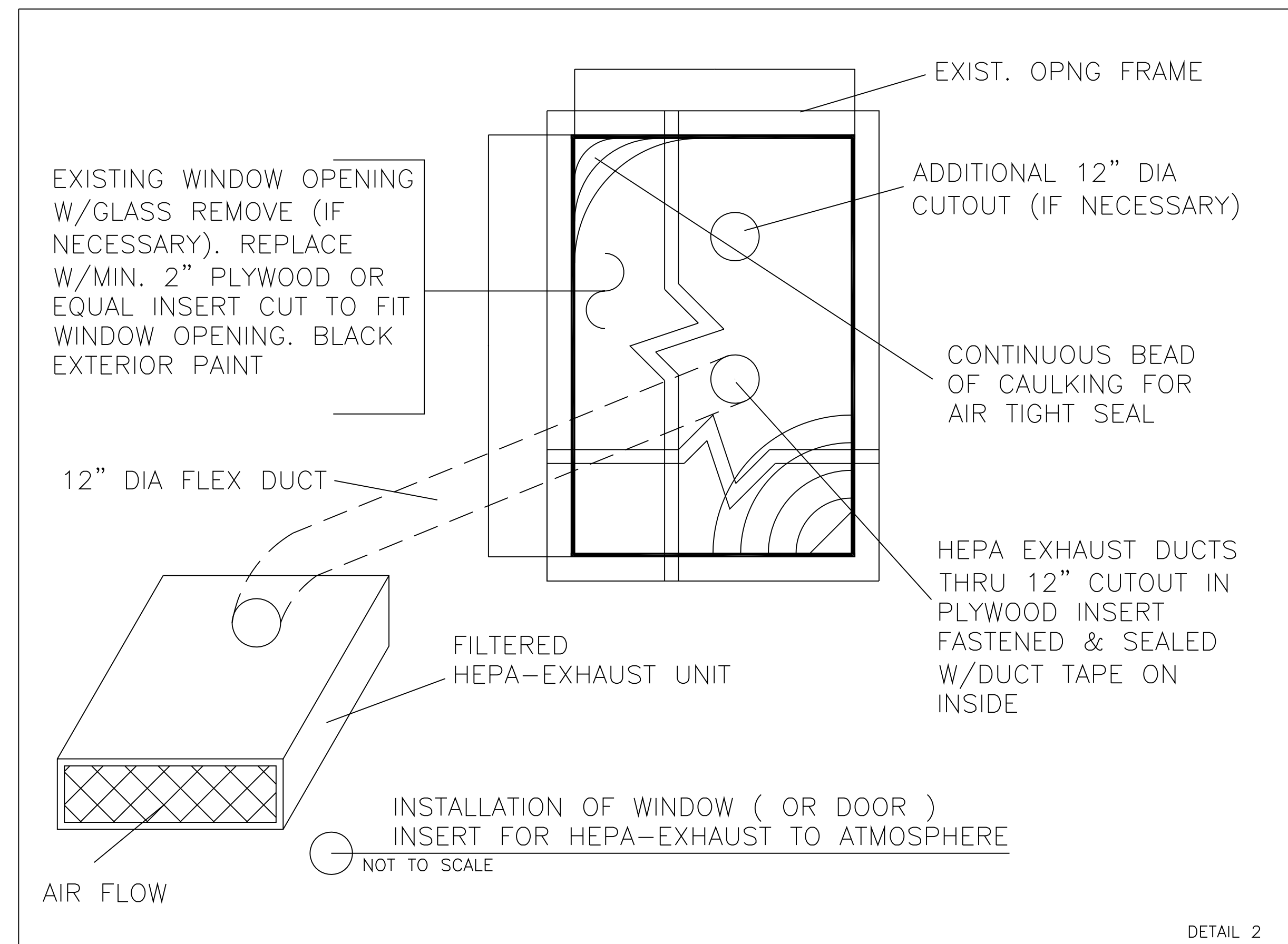
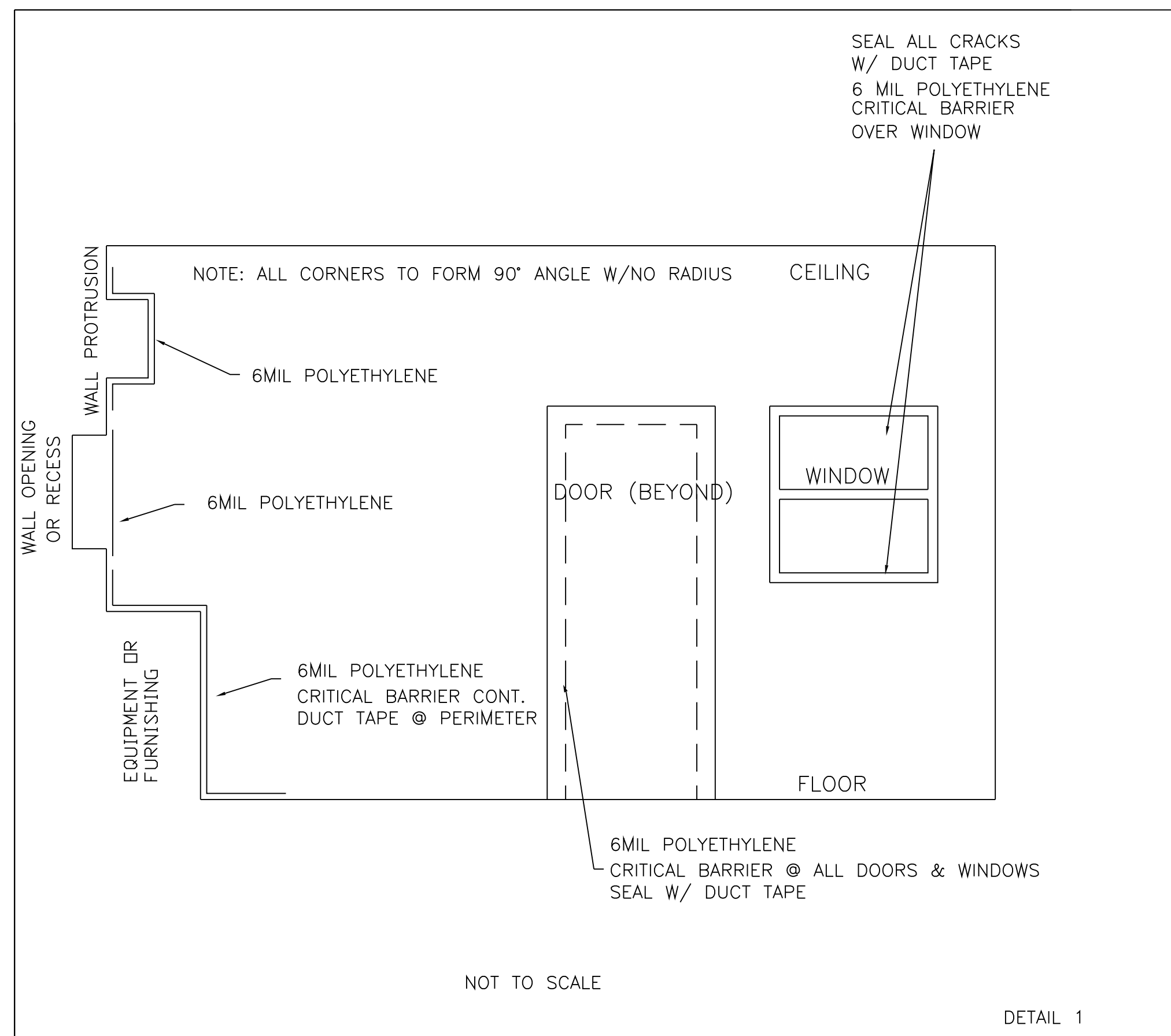


FIRST FLOOR- SECTION 13

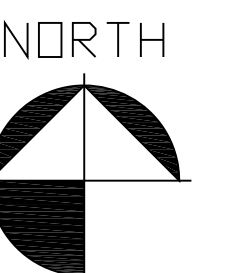




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		CONSULTANTS: Stephen J. Sebesta & Associates, Inc. Environmental Health Engineers 17830 Englewood Drive, Suite 16, Cleveland, Ohio 44130 P. 216.781.0060		ARCHITECT:		Drawing Title	Project Title	Project Number	Office of Facilities Management  Department of Veterans Affairs
						PARTIAL FIRST FLOOR ASBESTOS ABATEMENT PLAN	SOCIAL WORK & HBPC OFFICE RENOVATION	541-12-104	
								Building Number	
								1	
								Drawing Number	
Final Bid Set Documents	4-27-12					Approved: Project Director	Location		1-AA1 Dwg. 1 of 2
Revisions:	Date						VAMC - WADE PARK		
						Date	Checked	Drawn	
						4-27-12	EMO	CAJ	



STANDARD ASBESTOS ABATEMENT DETAILS



		CONSULTANTS: Stephen J. Sebesta & Associates, Inc. Environmental Health Engineers 17830 Englewood Drive, Suite 16, Cleveland, Ohio 44130 P. 216.761.0060		ARCHITECT:	Drawing Title STANDARD ASBESTOS ABATEMENT DETAILS	Project Title SOCIAL WORK & HBPC OFFICE RENOVATIONS	Project Number 541-12-104	Office of Facilities Management  Department of Veterans Affairs
					Building Number 1	Drawing Number 1-AA2 Dwg. 2 of 2		
					Location VAMC - WADE PARK			
					Date 4-27-12	Checked EMO	Drawn CAJ	
Final Bid Set Documents Revisions:	4-27-12 Date				Approved: Project Director			